



[Home](#) » [AUTOOL](#) » **AUTOOL BT360 Battery System Tester User Manual** 



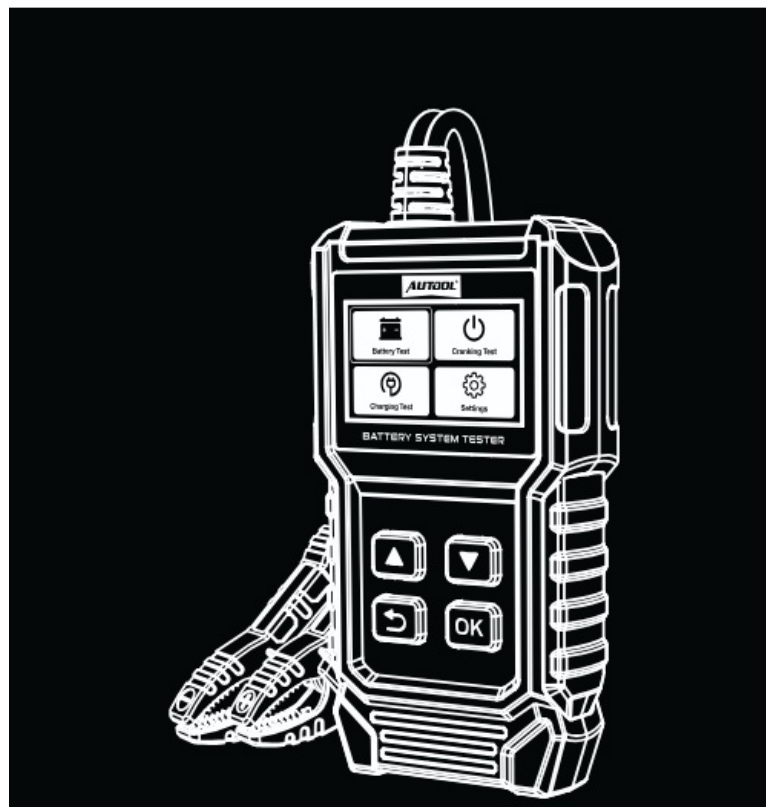
## AUTOOL BT360 Battery System Tester User Manual



### AUTOOL BT360

Battery System Tester

User Manual



[www.autooltech.com](http://www.autooltech.com)



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## SAFETY RULES

General safety rules     

- ▶ Always keep this user manual with the machine.
- ▶ Before using this product, read all the operational instructions in this manual. Failure to follow them may result in electric shock and irritation to skin and eyes.
- ▶ Each user is responsible for installing and using the equipment according to this user manual. The supplier is not responsible for damage caused by improper use and operation.
- ▶ This equipment must only be operated by trained and qualified personnel. Do not operate it under the influence of drugs, alcohol, or medication.
- ▶ This machine is developed for specific applications. The supplier points out that any modification and/or use for any unintended purposes is strictly prohibited.
- ▶ The supplier assumes no express or implied warranties or liabilities for personal injury or property damage caused by improper use, misuse, or failure to follow safety instructions.
- ▶ This equipment is intended for use by professionals only. Improper use by non-professionals may result in injury or damage to the tools or workpieces.
- ▶ Keep out of reach of children.
- ▶ When operating, ensure nearby personnel or animals maintain a safe distance. Avoid working in rain, water, or damp environments. Keep the work area well-ventilated, dry, clean, and bright.

## Handling

- ▶ Used/damaged equipment must not be disposed of in household waste but must be disposed of in an environmentally friendly manner. Use designated electrical equipment collection points.

## Electrical safety rules

- ▶ Do not twist or severely bend the power cable, as this may damage the internal wiring. If the power cable shows any signs of damage, do not use the car battery tester. Damaged cables pose a risk of electrical injury. Keep the power cable away from heat sources, oil sources, sharp edges, and moving parts. Damaged power cables must be replaced by the manufacturer, their technicians, or similarly qualified personnel to prevent hazardous situations or injury.

## Equipment safety rules

- ▶ Never leave the equipment unattended when it is powered on. Always disconnect the power cable and ensure the device is turned off when it is not being used for its intended purpose!
- ▶ Do not attempt to repair the equipment yourself.
- ▶ Before connecting the device to power, check that the battery voltage matches the value specified on the nameplate. Mismatched voltage can cause serious hazards and damage the device.
- ▶ It is essential to protect the equipment from rainwater, moisture, mechanical damage, overload, and rough handling.

## Application

- ▶ Before use, check the power cord, connection cables for any damage. If any damage is found, do not operate the device.
- ▶ Use the equipment only in compliance with all safety instructions, technical documents, and vehicle manufacturer specifications.
- ▶ If replacement accessories are needed, use only brand new and unopened products.

## Personnel protection safety rules

- ▶ Protective gear may be worn when using this product.
- ▶ Place chocks under the wheels and do not test the vehicle while it is unattended.
- ▶ Exercise caution around the distributor cap, ignition wires, and spark plugs when working near the ignition coil. These components generate high voltage when the engine is running and can be dangerous.
- ▶ Shift the transmission into 'Park' (automatic transmission) or 'Neutral' (manual transmission), and make sure to engage the handbrake.
- ▶ Do not connect or disconnect any test equipment while the ignition switch is on or the engine is running.
- ▶ Always ensure you have a stable footing to safely control equipment in case of emergencies.

Any other use is considered as exceeding the intended purpose of the equipment and is

prohibited.

## **PRODUCT INTRODUCTION**

- The BT360 Battery System Tester utilizes advanced conductance testing technology, enabling convenient, fast, and accurate measurement of a vehicle's starting battery's actual cold cranking capability and overall health. It also quickly detects common faults in the vehicle's starting and charging systems, assisting maintenance personnel in efficiently and accurately identifying the fault location, facilitating quick vehicle repairs.

### **Product Features**

- Accurate and fast testing with simple operation and intuitive display.
- Main functions include Battery Test, Cranking Test, and Charging Test.
- Compatible with all vehicle starting lead-acid batteries, including conventional lead-acid batteries, AGM flat plate batteries, AGM spiral batteries, and GEL batteries.
- Reverse polarity protection ensures no damage to the tester, vehicle, or battery in case of incorrect connection.
- Testing standards cover most globally recognized battery standards: CCA, JIS, GB, SAE, MCA, CA, DIN, IEC, EN, and BCI.
- Supports multiple language options, including English, German, French, Italian, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Korean, and more. Other languages can be customized based on user requirements.

### **Product Parameters**

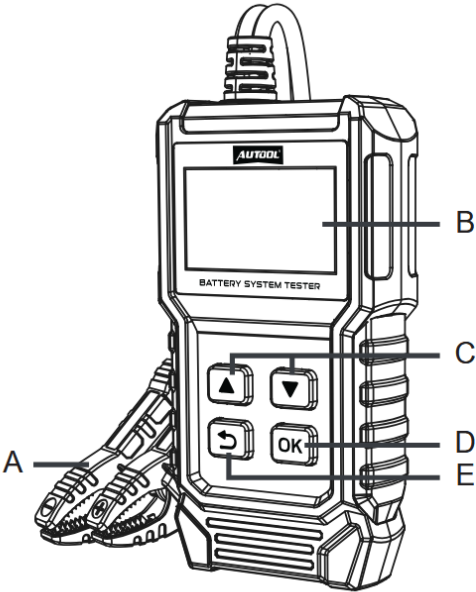
Measurement Standards and Ranges	
CCA	30-2000
SAE	30-2000
MCA	30-2000
CA	30-2000
DIN	30-2500
IEC	30-2000
EN	30-3000
BCI	30-2000
GB	4-300Ah
JIS	26A17R-N135

Screen Material	LCD material with LED backlight, 2.4-inch color screen
Voltage Range	8~29V
Battery Range	4Ah-300Ah
Testing Clamps	Dual-conductor Kelvin clamps
Casing Material	Acid-resistant ABS plastic
Cable Specifications	PVC material, 20AWG/4-core wire, approximately 50cm

## PRODUCT STRUCTURE

### Structure Diagram

A	Red and black battery clamps
B	Display screen
C	Directional buttons
D	Confirm button
E	Return button

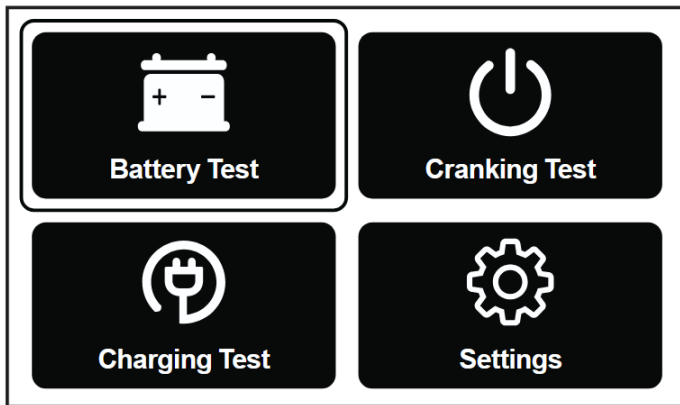




# OPERATING PROCEDURE

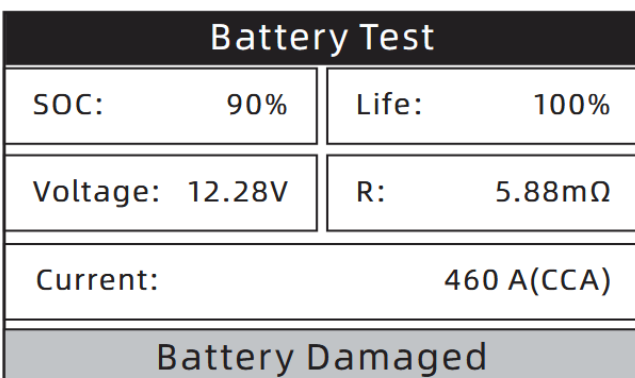
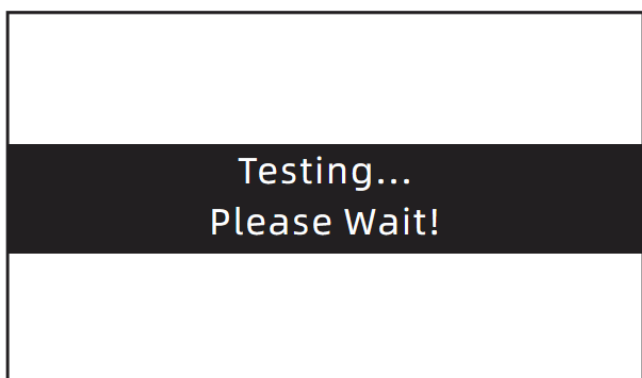
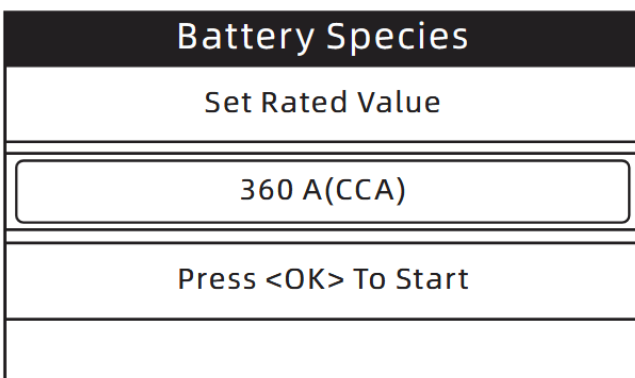
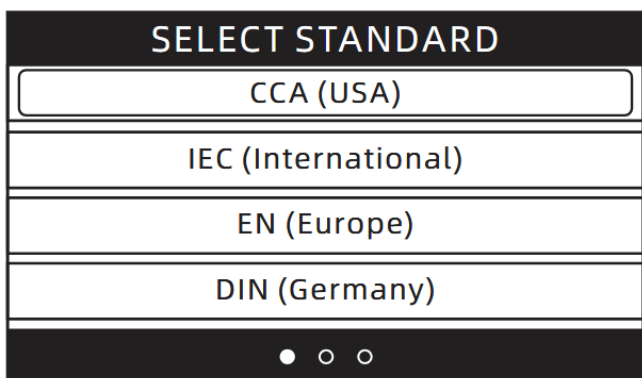
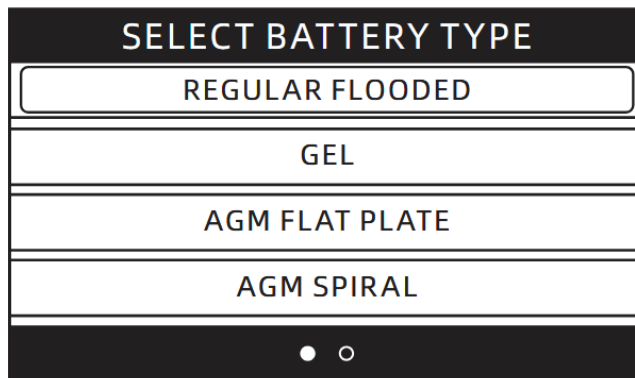
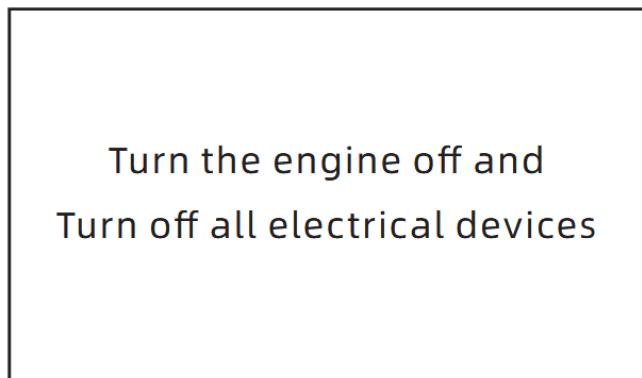
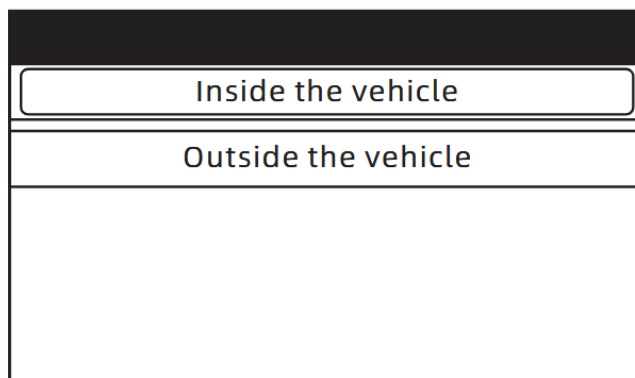
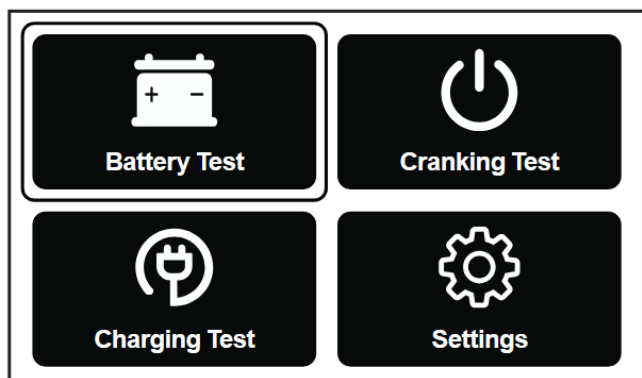
## Connecting the Battery

- Attach the red and black battery clamps to the battery being tested, with the red clamp connected to the positive terminal and the black clamp connected to the negative terminal. If the connection is correct, the display will show the startup interface. Press the “Confirm” button to continue (Note: If the battery voltage is below 8V, the test cannot proceed normally).



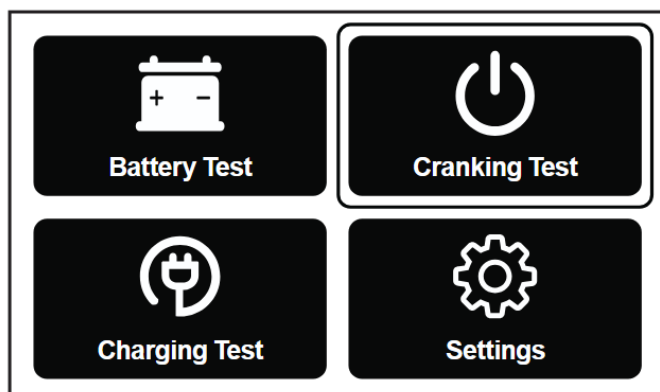
## Battery Test

- In the [**Battery Test**] function, select the “Inside the vehicle” or “Outside the vehicle” testing mode.
- Choose the battery type and testing standard based on the actual situation.
- Select the battery specifications and press the “OK” button. The tester will begin the test and display “Testing... Please Wait!” The tester will then show the battery test results.



## Cranking Test

- Select [**Cranking Test**].
- The tester will display “Cranking Test” and prompt “Please start the engine and wait 15 seconds.” Follow the instructions to complete the operation. The tester will then display the starting system test results.



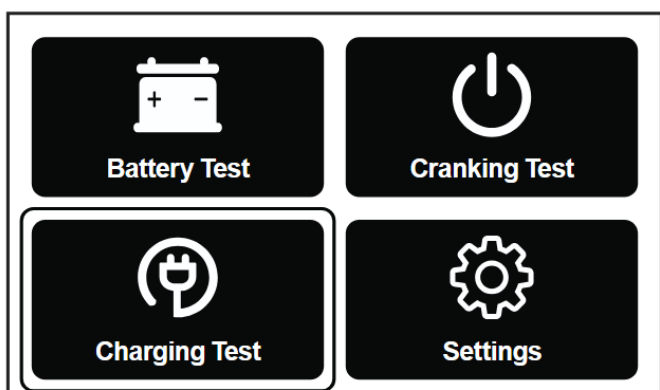
Cranking Test	
Current voltage:	12.28V
Minimum voltage: Start	12.28V
Min Value > 9.6V	
>>Please start the engine and wait 15 seconds.	

Cranking Test	
Current voltage:	13.64V
Minimum voltage: Start	10.81V
Min Value > 9.6V	
2 s	

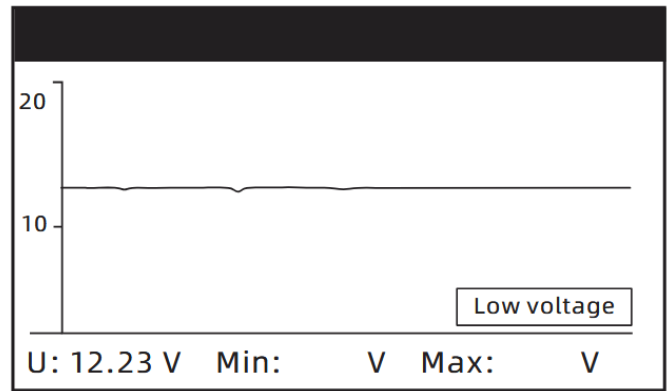
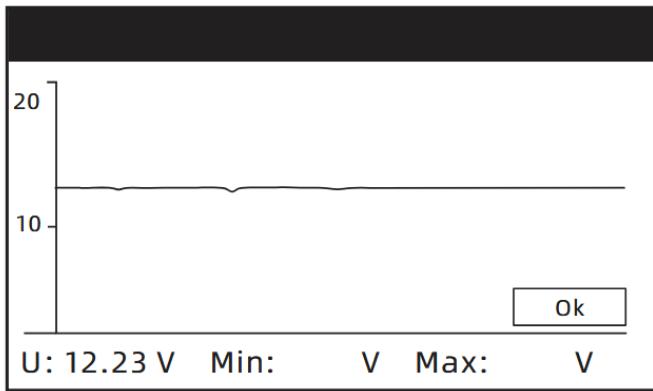
Cranking Test	
Current voltage:	13.69V
Minimum voltage: Start	10.81V
Min Value > 9.6V	
OK	

## Charging Test

- Select **[Charging Test]**;
- The tester will prompt “Please start the engine and wait 15 seconds.” and “Press <OK> to continue!” Follow the instructions to complete the operation, and the tester will then display the test results.

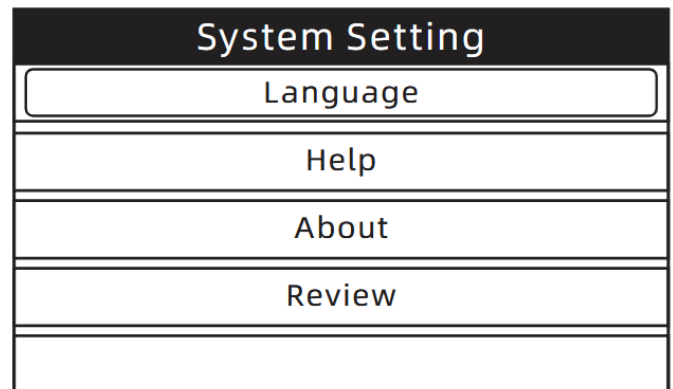
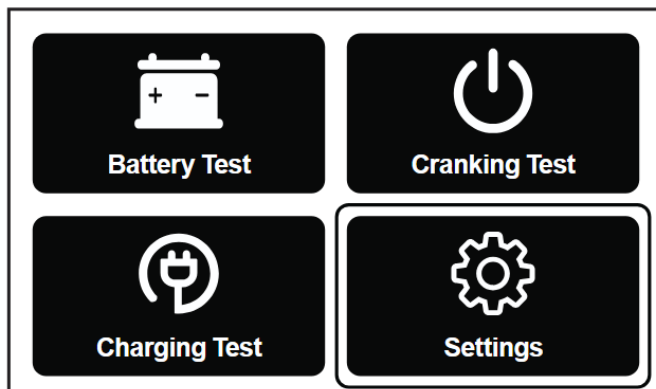


Charging System	
>>Please start the engine and wait 15 seconds.	
>>Press <OK> to continue!	



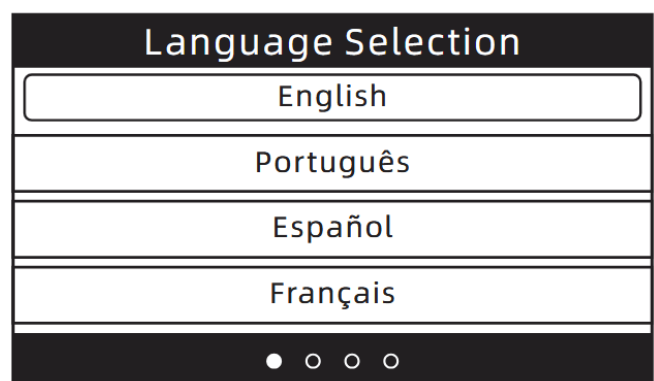
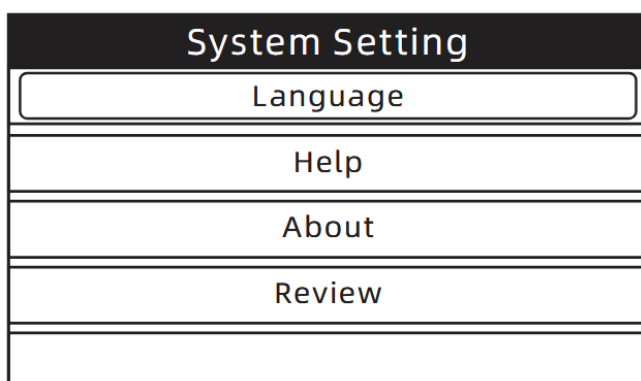
## Settings

- Select **[Settings]**;
- After entering the settings interface, the tester will display system settings, where you can choose “Language”, “Help”, “About” and “Review”.



- **Language Settings**

Multiple languages are available for selection.



- **Help**

View the battery specification table.

System Setting
Language
Help
About
Review

Battery Table			01(1-32)	
SPECIFICATION			CCA	
MODEL			DIN	EN
52805	52815		180	240
53517			175	300
53520	53521	53522	150	240
53625	53638	53836	175	300
53646	53621	88038	175	300

## • About

View the current version number of the device.

System Setting
Language
Help
About
Review

Version Information	
Hardware:	BT360 V5.0
Software:	BT360 V5.1
Device ID:	B5A9 0705 5BFF F41F

## MAINTENANCE SERVICE

- Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.

### Maintenance

To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully:

- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.
- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its

service life.

- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable.
- Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.
- When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

## **WARRANTY**

- From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.

### **Warranty access**

- The repair or replacement of products is determined by the actual breakdown situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.

### **These conditions below shall not be in warranty range**

- The product is not purchased through official or authorized channels.
- The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

### **Disclaimer**

- All information, illustrations, and specifications contained in this manual, AUTOOL resumes the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

## **RETURN & EXCHANGE SERVICE**

### **Return & Exchange**

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.
- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.
- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.
- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.

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## **EU DECLARATION OF CONFORMITY**

We as the manufacturer declare that the designated product:

Car Battery Tester (BT360)

Complies with the requirements of the:

**EMC Directive 2014/30/EU**

**RoHS Directive 2011/65/EU + 2015/863 + 2017/2102**

Applied Standards:

**EN IEC 61326-1:2021, EN IEC 61000-3-2:2019 + A1:2021,**

**EN 61000-3-3:2013 + A1:2019 + A2:2021**

**IEC 62321-3-1:2013, IEC 62321-5:2013, IEC**

**62321-4:2013+A1:2017, IEC 62321-7-1:2015, IEC**

**62321-7-2:2017, IEC 62321-1:2013, IEC 62321-6:2015, IEC 62321-8:2017**

Certificate No.: ZHT-230925028C, ZHT-230925030C


Test Report No.: ZHT-230925028E, ZHT-230925030R

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## Documents / Resources

	<p><a href="#">AUTOOL BT360 Battery System Tester [pdf]</a> User Manual</p> <p>BT360, BT360 Battery System Tester, BT360, Battery System Tester, System Tester, Tester</p>
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## References

- [Tool Tech](#)



- [A autooltech.com](https://autooltech.com)
- [User Manual](#)

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